

Slope incline flat. Dominant tree sp: M. sieversii; Assoc.-Apricot, Crataegus. Dom. shrub sp: Berberis, Hippophae; Assoc.-Rubus, Rosa. Dominant herbaceous: Hops; Assoc.-Geranium, Fragaria. Pedigree - Bulk sample of GMAL 3700 - 3729. Sampled 5 fruits from 1 tree.

PI 599791. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 04-01P-1; GMAL 3730. Collected 08/27/1995 in Kazakhstan. Latitude 43 deg. 19' 45'' N. Longitude 77 deg. 35' 55'' E. Elevation 1360 m. Zielisky Alatau Province. Turgen Forest region - 120 hectares. Central part of Zielisky. Along stream next to North slope. Near Composer's house (site 32 in 1993) - from 1360-1200 m. Dominant tree sp.: Apricot; Associated-Padus. Dominant shrub sp.: Berberis; Assoc-Ribes. Dominant herbaceous: Grasses; Assoc.-Geranium, Epilobium, Achillea. Pedigree - Bulk sample of GMAL 3730 - 3759. Sampled 5 fruits from 1 tree. Cultivated apple close by.

PI 599792. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 05-01P-1; GMAL 3760. Collected 08/29/1995 in Kazakhstan. Latitude 47 deg. 14' 39'' N. Longitude 81 deg. 34' 14'' E. Elevation 870 m. Semipalitinsk Region (Tarbagatai Mountain Range). Village of Alekseyevka. 4 km. Northeast of Alekseyevka, 20 km. North of Urdzhar. Flat area near stream. Collected in South end of West Valley. Coordinated in Urdzhar: 47-05-01, 81-37-49. Temp: max. +41, min. -40. Stoney gravely loam soil. Good drainage. 400mm rainfall. Dominant tree sp.: Populus. Dominant shrub sp.: Crataugus, Rosa; Associated-Viburnum. Random pop. as close as 20 m. to stream. Many new small trees growing. Pedigree - Bulk sample of GMAL 3760 - 3789. Sampled 5 fruits from 1 tree. Fruit is firm.

PI 599793. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 07-01P-1; GMAL 3790. Collected 08/30/1995 in Kazakhstan. Latitude 47 deg. 16' 14'' N. Longitude 81 deg. 34' 45'' E. Elevation 960 m. Semipalitinsk Region (Tarbagatai Mountain Range). 20 km. North of Urdzhar, 6 km. NE of Alekseyevka. Slopes of East-West Valley. Collected on north slope of North Valley. Between & East of sites 05 & 06 (GMAL's 3604-3615, GMAL's 3760-3789). Slope incline: 5-20 degrees. Aspect: South and North. Rainfall: 400 mm. Dominant tree sp.: M. sieversii; Assoc.-Crataegus. Dominant shrub sp.: Rosa; Associated-Amydalus. Dominant herbaceous: Aster. Pedigree - Bulk sample of GMAL 3790 - 3819. Sampled 5 fruits from 1 tree. Fruit is firm.

PI 599794. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 09-01P-1; GMAL 3820. Collected 08/31/1995 in Kazakhstan. Latitude 47 deg. 16' 41'' N. Longitude 81 deg. 35' 59'' E. Elevation 1120 m. Semipalitinsk Region (Tarbagatai Mountain Range). 20 km. North of Urdzhar, 6 km. East-Northeast of Alekseyevka, on separate jeep trail. East Valley collection site. Collected on north end on flat by East River. Aspect: Mainly East. Landform: flat valley and East slope. Dominant tree sp.: M. sieversii. Dominant shrub sp.: Rosa; Associated-Lonicera, Rubus. Dominant herbaceous: Malva; Assoc.-Fragaria. Pedigree - Bulk sample of GMAL 3820 - 3849. Sampled 5 fruits from 1 tree. Fruit is firm with aromatic flesh flavor.

PI 599795. *Malus sieversii* (Ledeb.) M. Roem.

Wild. Kaz 95 11-01P-1; GMAL 3850. Collected 09/03/1995 in Kazakhstan.